

WHAT IS CLAIMED IS:

1. An injection apparatus comprising:

a screw drive shaft which is connected to an end
portion of a screw and rotates integrally with the
5 screw;

a motor which generates torque to rotate the screw
drive shaft;

a rotating member situated on an extension of an
axis of the screw drive shaft;

10 a power transmission mechanism which transmits the
rotation of the motor to the rotating member; and

a speed reducer which is located between the
rotating member and the screw drive shaft, reduces the
speed of rotation of the rotating member, and transmits
15 the rotation of the rotating member to the screw drive
shaft.

2. An injection apparatus according to claim 1,
wherein the speed reducer has an input shaft fitted
with the rotating member and an output shaft connected
20 to the screw drive shaft, the input and output shafts
being situated on the extension of the axis of the
screw drive shaft.

3. An injection apparatus according to claim 2,
wherein the speed reducer is formed of a planetary gear
25 mechanism or a traction drive mechanism.

4. An injection apparatus according to claim 1,
wherein the power transmission mechanism has a first

pulley on an output shaft of the motor, a second pulley for use as the rotating member on the input shaft of the speed reducer, and a belt passed around the first and second pulleys.